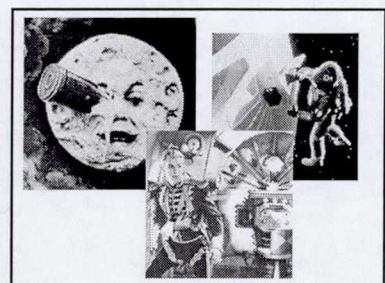
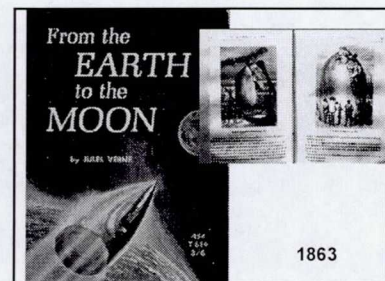
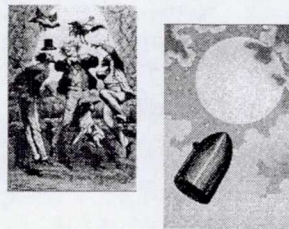
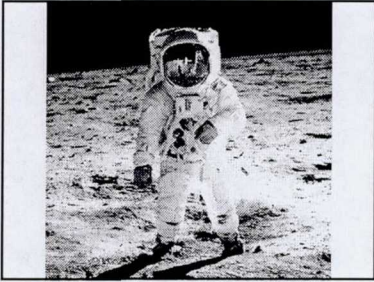


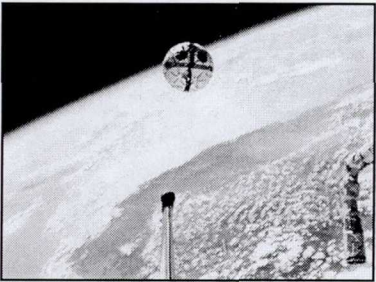
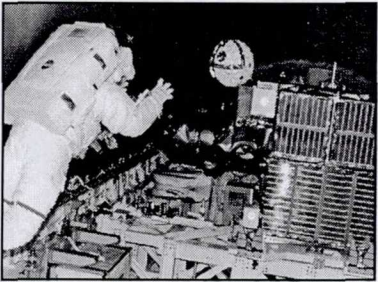
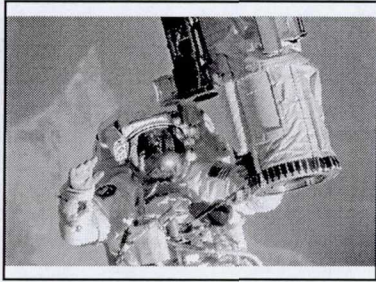
Future ...

*It Comes from our
Imagination*

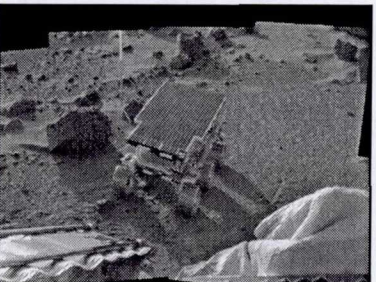
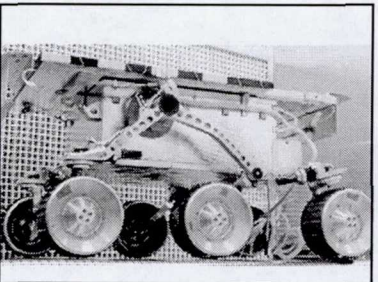


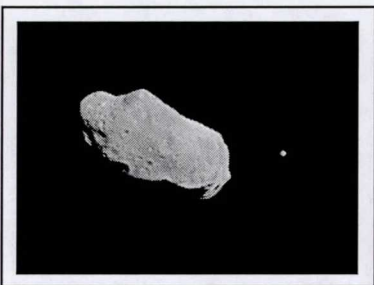
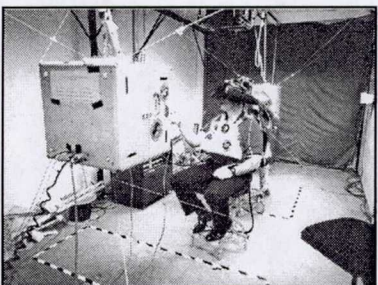
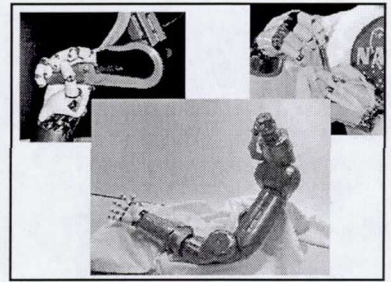
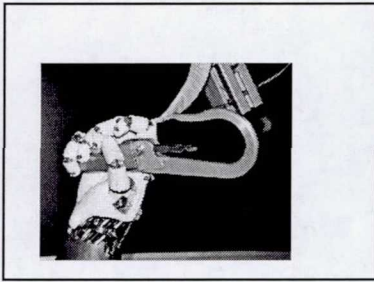
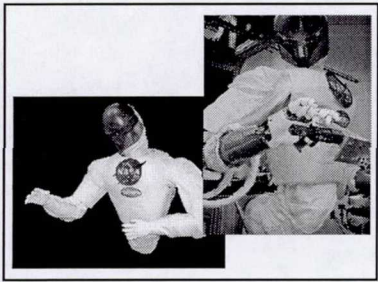
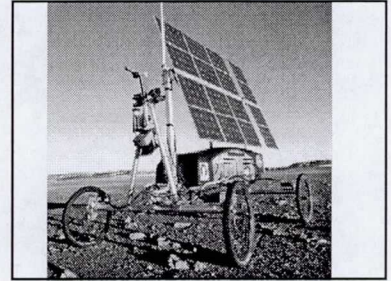
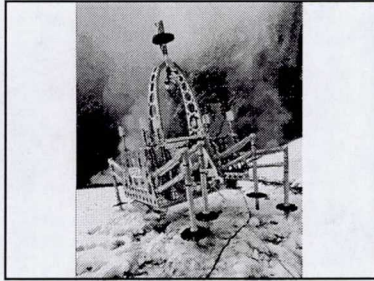
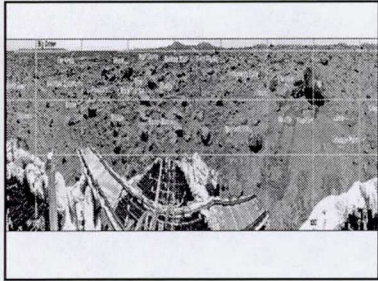


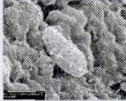
Robotics



Robotic Planetary Exploration






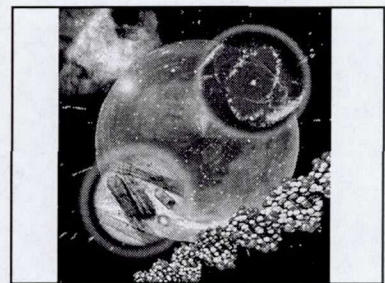
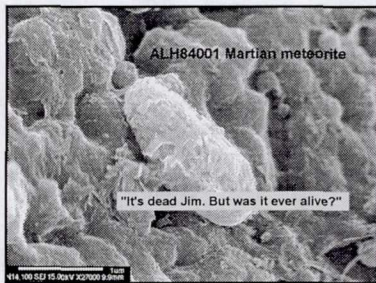
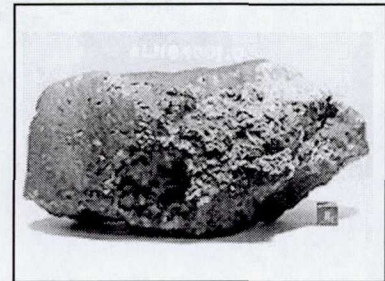


Astrobiology

"the study of the living universe".

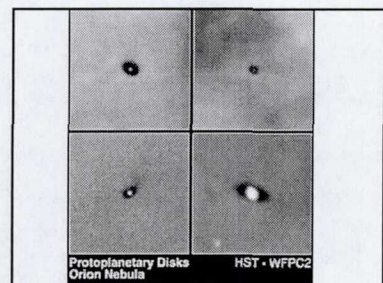
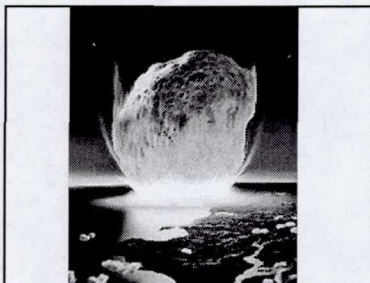


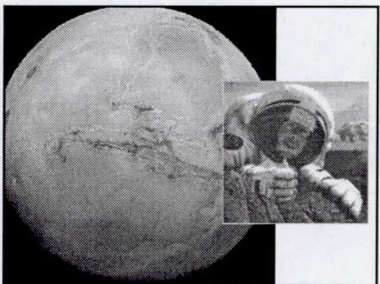
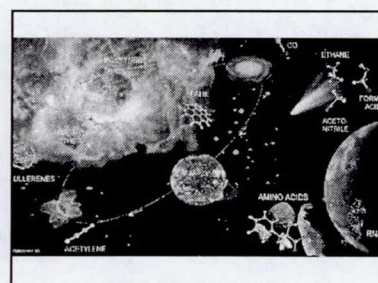
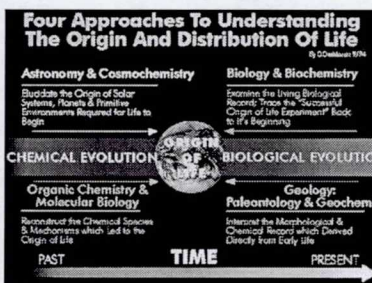
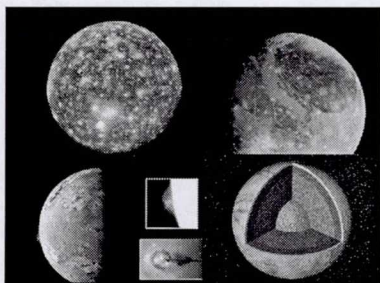
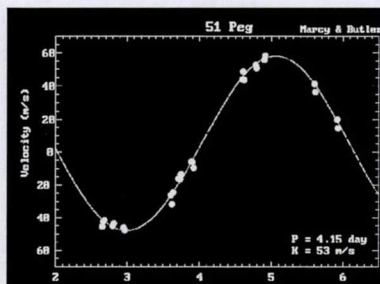
- ### Goals of Astrobiology
- GOAL ONE: How Life Arose on Earth
 - GOAL TWO: Organization of Matter into Living Systems
 - GOAL THREE: How Life Evolves
 - GOAL FOUR: Co-evolution of the Biosphere and Earth
 - GOAL FIVE: Limits for Life
 - GOAL SIX: Habitable Planets
 - GOAL SEVEN: Signatures of Life on Other Worlds
 - GOAL EIGHT: Life on Mars and Europa
 - GOAL NINE: Environmental Change on Earth
 - GOAL TEN: Terrestrial Life in Space



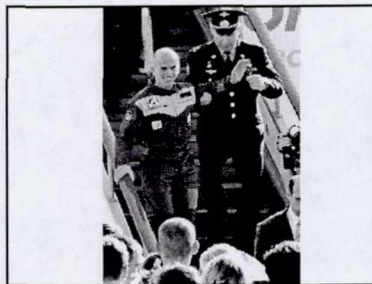
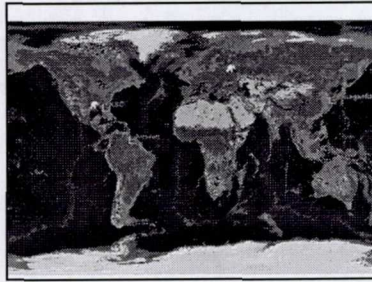
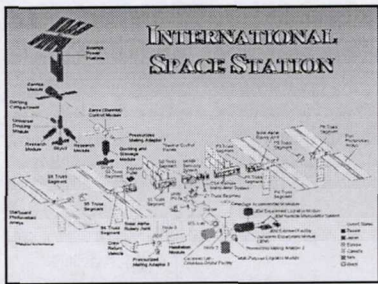
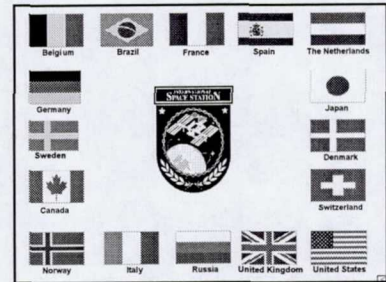
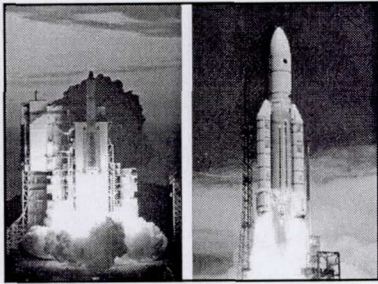
MICHIGAN STATE UNIVERSITY

Center for Genomic and Evolutionary Studies
on Microbial Life at Low Temperatures

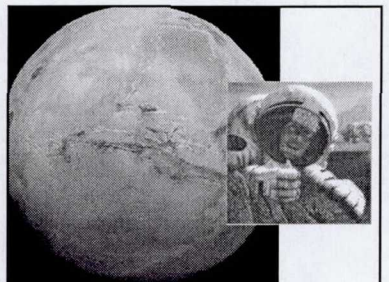
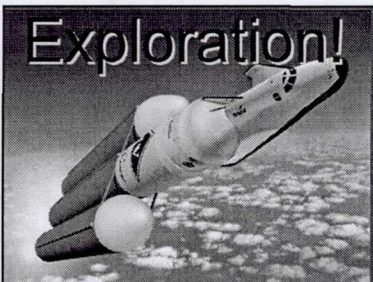
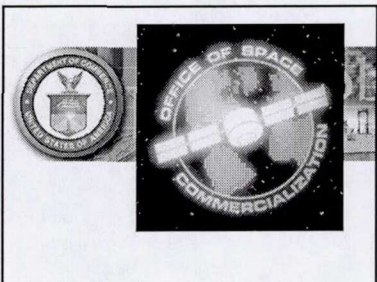
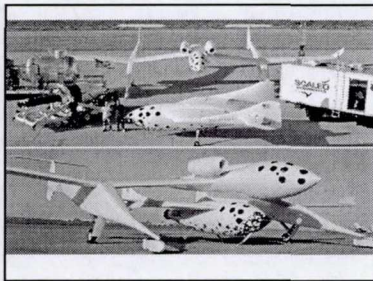
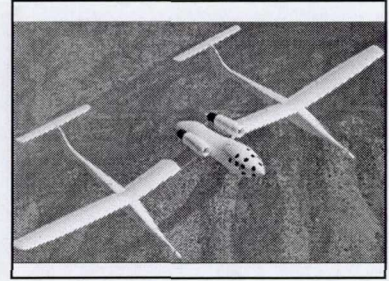
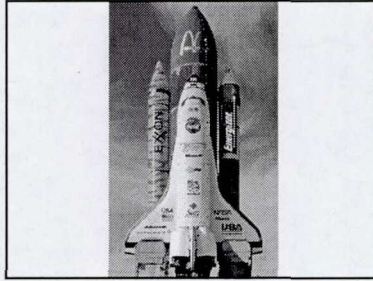


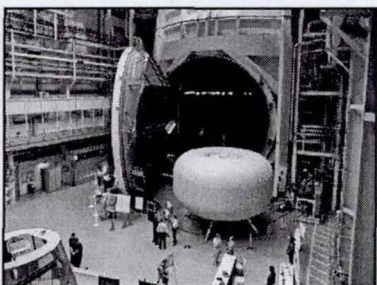
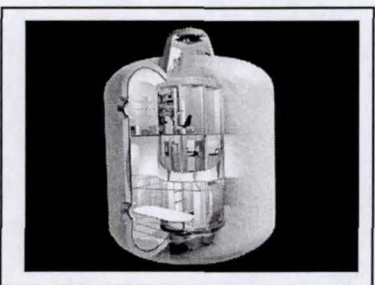
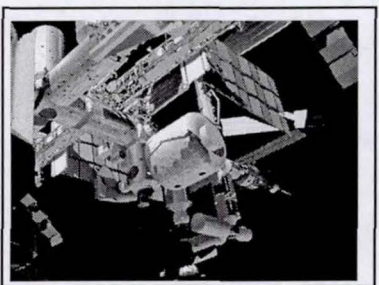
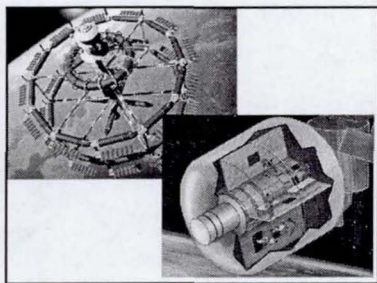
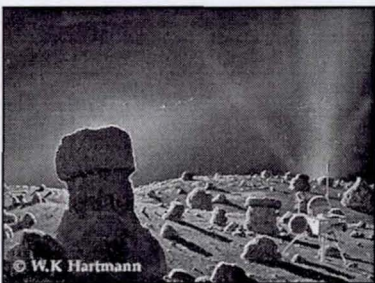
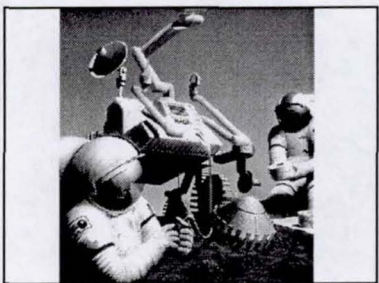
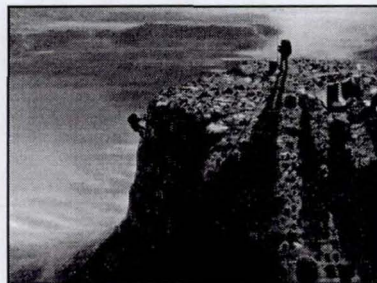
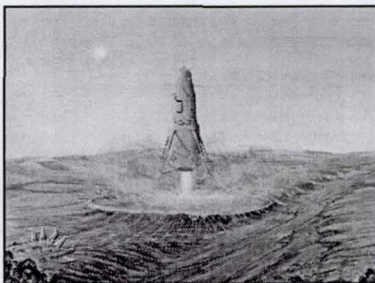
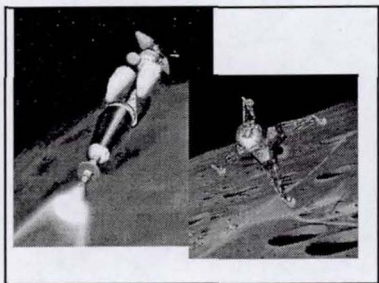


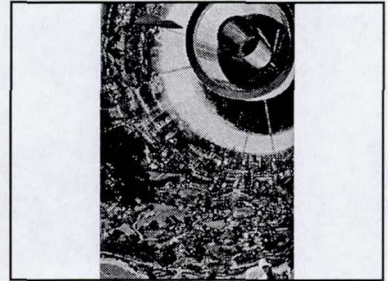
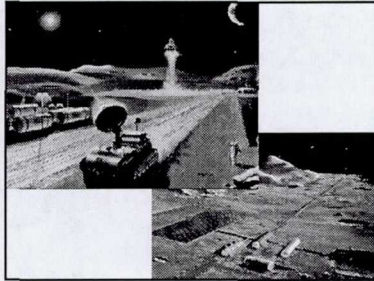
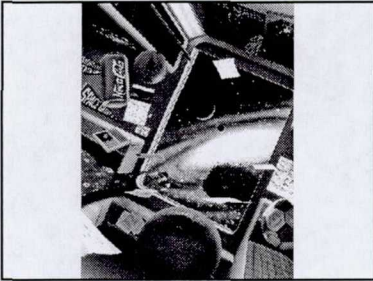
International



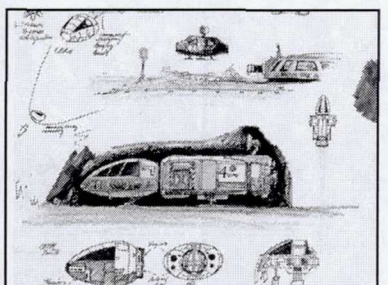
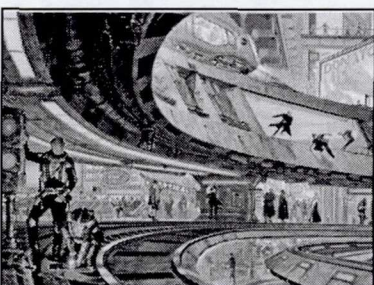
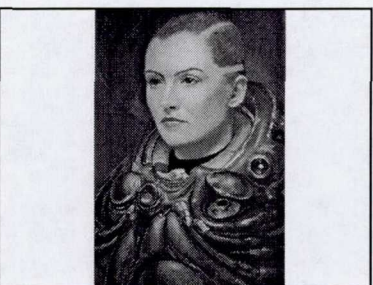
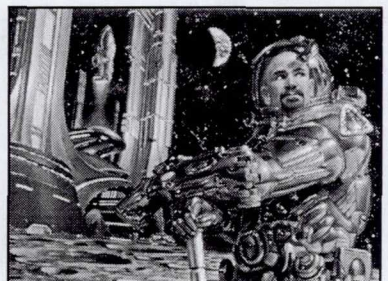
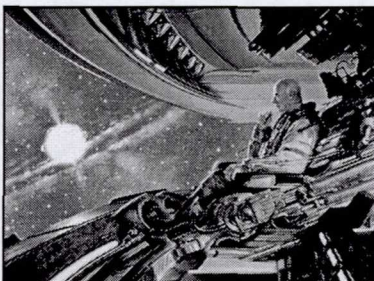
Commercialization

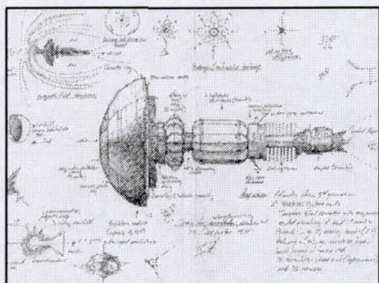






Imagination



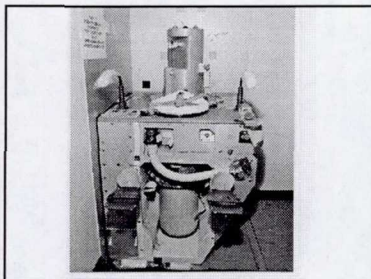


*"It is difficult to say what
is impossible,
for the dream of
yesterday is the hope of
today and the reality of
tomorrow."*

– Robert H. Goddard

The End

"How do you
go to the
bathroom in
Space?"



Columbia

*"This cause of exploration and discovery is not
an option we choose; it is a desire written in the
human heart. We are that part of creation
which seeks to understand all creation."*
President Bush
at JSC Memorial
4 February 2003

